

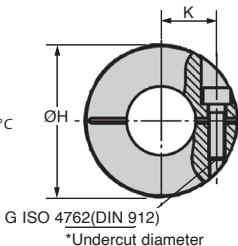


**AKN GERWAH**

**Coupling for servo-motors**

**Torque: 22 to 180Nm**

- Backlash and maintenance free
- High torsional stiffness
- Low moment of inertia
- Shaft/bore link without backlash
- Recommended assembly tolerances H7/g6
- Working temperature -30°C to +100°C
- Materials:
  - Hub: aluminium
  - Bellows: stainless steel
- Please specify bore size on order (between min and max Ø)



clamp fixing

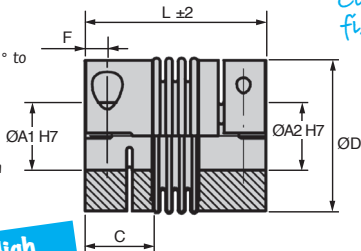
## Options

- Keyway according to DIN6885 on request (tolerance JS9)
- Orientation of the keyways at 180° to each other
- Stainless steel version on request

## Torque calculation

- Use the formula
- $T_{RN} > K \times T_{AS} \times J_{mach} / (J_{mot} + J_{mach})$  in Nm
- With following safety coefficient:
  - K = 1.5 for regular motion
  - K = 2 for irregular motion
  - K = 2.5 - 4 for jerky motion
- Jx = moment of inertia (machine + motor)
- T<sub>AS</sub> Required torque

**High Precision**



## DISCOUNTS

Qty	1+	3+	6+
Disc.	List	-8%	On request

Part number	Max. speed (rpm)	radial (mm)	Misalignment axial (mm)	angular	Nominal torque (Nm)	Torsional stiffness (10 <sup>3</sup> Nm/Rad)	Moment of inertia (10 <sup>-3</sup> kgm <sup>2</sup> )	Tightening torque (Nm)	Weight (kg)
AKN18-63	12 700	0,2	0,5	1,5°	22	8	0,05	6	0,13
AKN30-65	10 200	0,1	0,4	1,0°	36	35	0,11	12	0,25
AKN60-78	8 600	0,1	0,4	1,0°	75	75	0,29	30	0,41
AKN80-91	6 800	0,2	0,4	1,0°	95	130	0,87	60	0,74
AKN150-91	6 800	0,2	0,4	1,0°	180	150	0,87	85	0,74

Part number	ØA mini.	ØA maxi.	L	ØD	C	F	G	K	ØH	Pric each No keyway	1 to 2 With keyway
AKN18-63	8	26	63	45	20	6	M5	18	48	194,97 €	225,75 €
AKN30-65	10	30	65	55	25	8	M6	20	55	242,24 €	273,03 €
AKN60-78	12	35	78	64	29	10	M8	24	67	273,76 €	304,54 €
AKN80-91	14	42	90	80	33	12	M10	28	84	311,18 €	341,97 €
AKN150-91	14	42	90	80	33	12	M10	28	84	371,88 €	403,03 €

Dimensions in mm

## Our other products



DOMI120

Accessories, Plate



PRF\_CLIP\_22

Cable clip for aluminium profile, For electric and pneumatic cables



CHB

Double output shaft, For CHB gearbox



MHQMEP

Arm with rotating handle, Square bore



EMAS

Antistatic knurled nut, Antistatic



PW\_PWG3

Wheel - precision range, Bronze



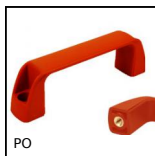
VHEH

Hexagonal headed screw with collar Hygienic Usit®, Stainless steel



ACLEPP

Right angled bracket for aluminium profile, 2 holes



PO

Pull handle - Multi-sector, Tapped recessed insert



PCS37

Chain sprocket - steel, 9.525mm (DIN06B-1)



ACLERP

Roller block for aluminium profile, With guide rail



ZG125

Plastic spur gear, Machined plastic (delrin)

Complementary products